

NORTH CAROLINA BEYOND THE CONNECTED AGE: THE TAR HEEL STATE IN 2050 - IMPLICATIONS FOR TRANSPORTATION



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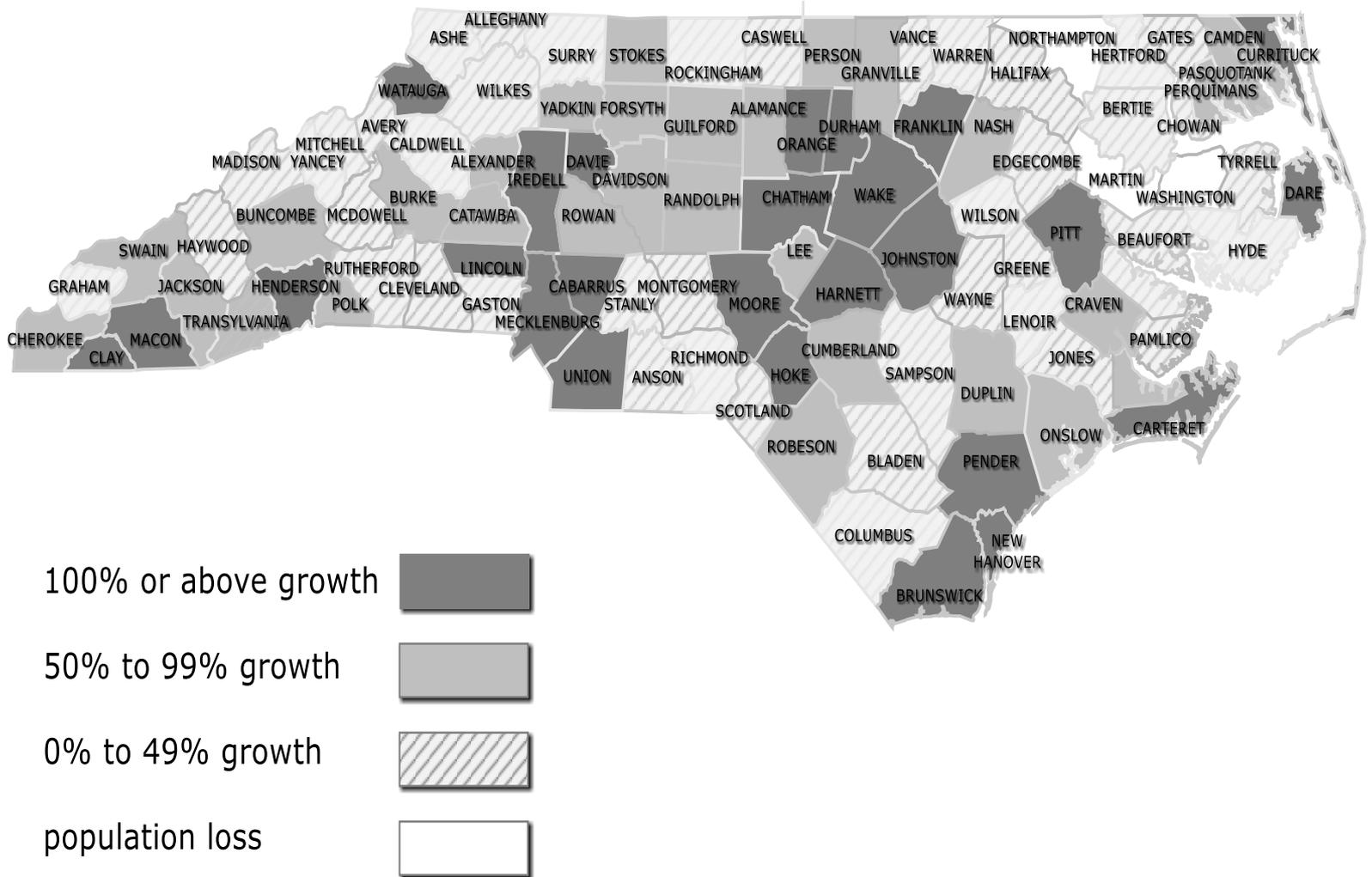
WE WILL ADD PEOPLE



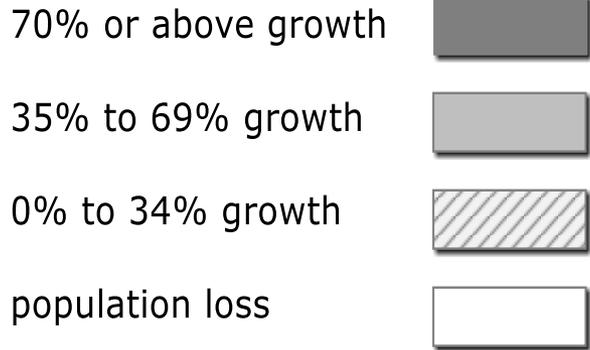
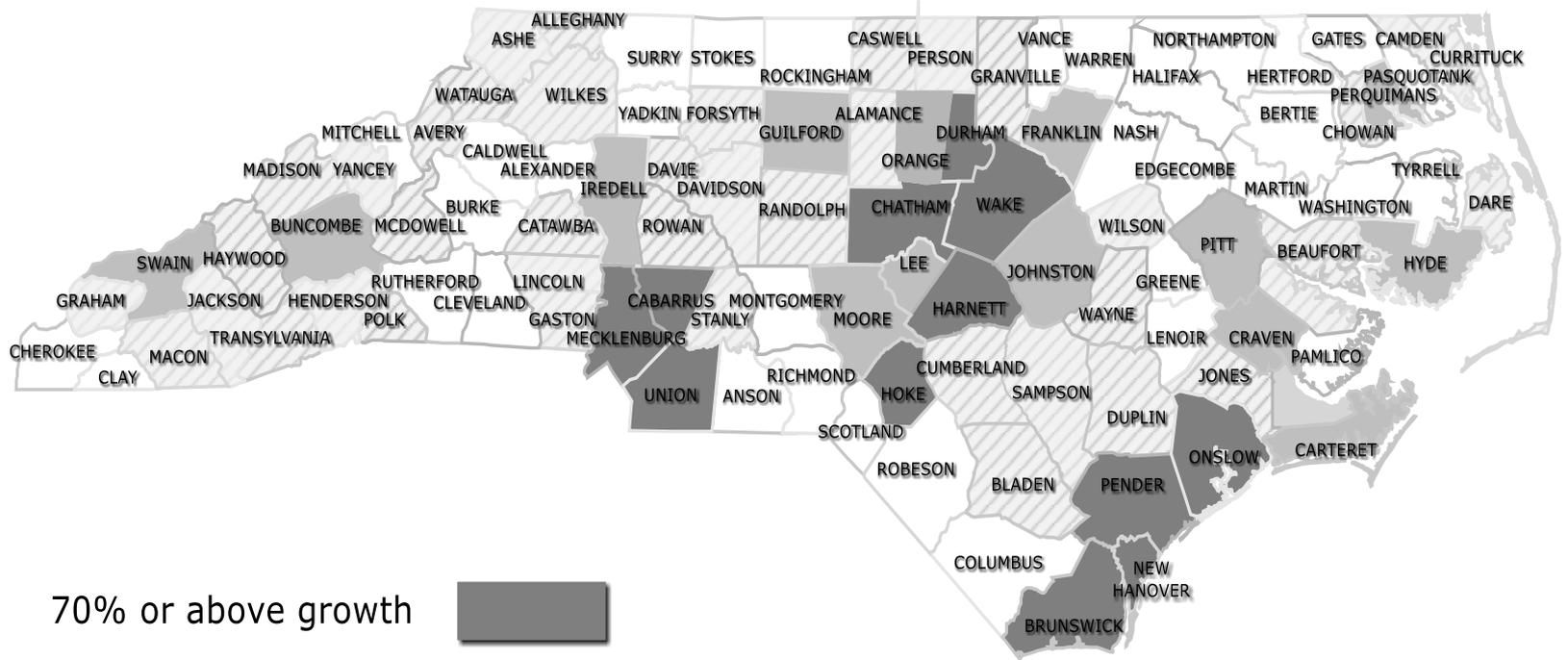
10 MILLION PEOPLE
TO 13.4 MILLION
PEOPLE IN 2050

ELDERLY % WILL
ALMOST DOUBLE

COUNTY POPULATION GROWTH: 1970 TO 2010



COUNTY POPULATION GROWTH 2010-2050



US MEGA-REGIONS 2012

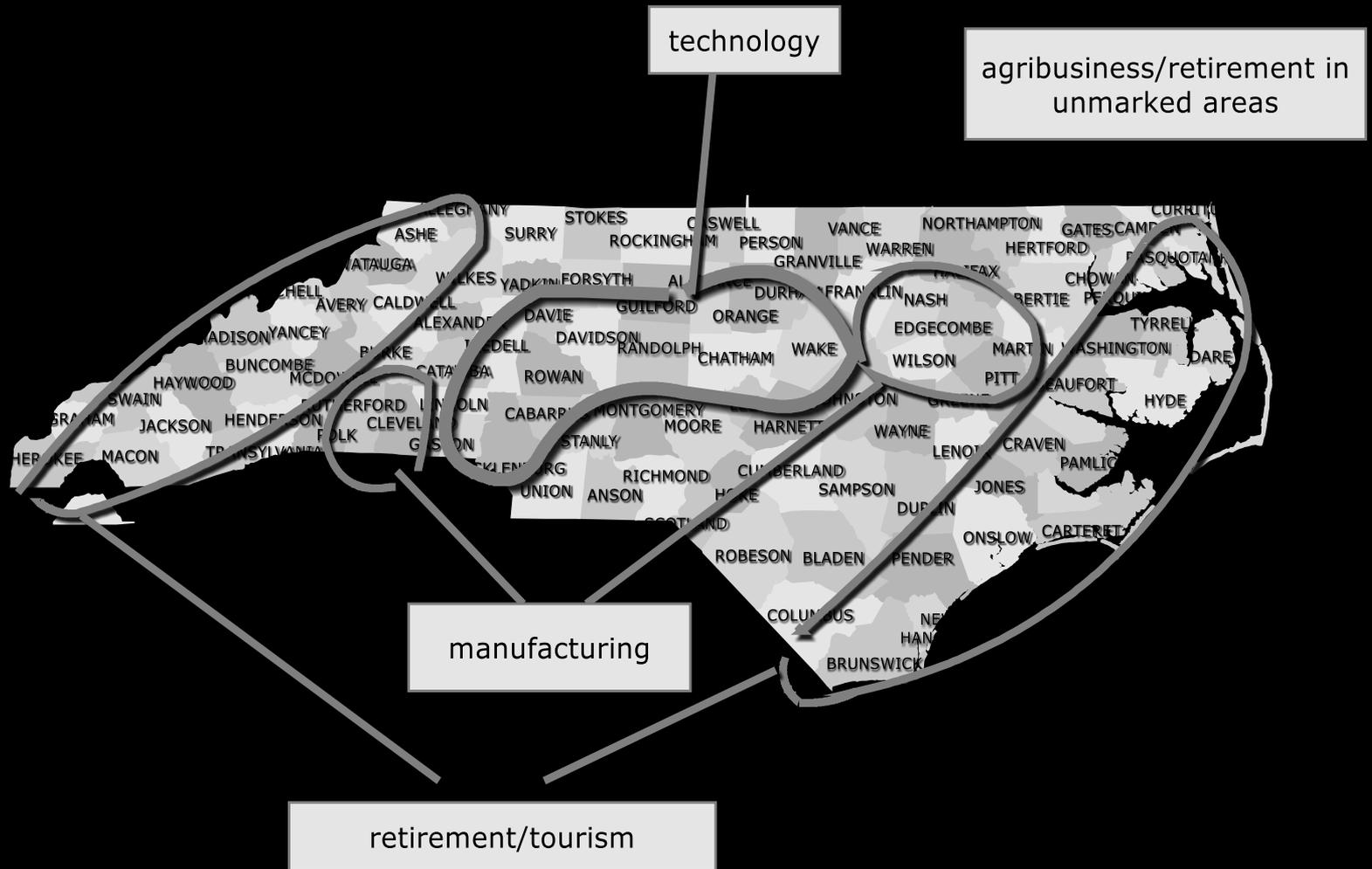


HIGHER DENSITIES WILL MAKE MASS TRANSIT MORE VIABLE



ALSO, COULD DRIVERLESS
VEHICLES INCREASE THE
EFFICIENCY OF ROADS
AND REDUCE THE NEED
FOR MORE ROAD
CONSTRUCTION?

NORTH CAROLINA ECONOMIC GEOGRAPHY IN 2050



EMPLOYMENT



WILL TECHNOLOGY
MOVE MORE JOBS TO
HOMESITES AND
REDUCE COMMUTING?

WILL TECHNOLOGY
REDUCE THE TOTAL
NUMBER OF JOBS?



THE EDUCATION SYSTEM WILL BE EVEN MORE CRUCIAL IN THE 21ST CENTURY

K-12: COLLEGE TRACK
EMPLOYMENT TRACK

TECHNICAL COLLEGE
INTERACTION WITH JOB MARKET
INTERACTION WITH HIGH SCHOOL

CORE COLLEGE

ADVANCED COLLEGE

RENEWAL EDUCATION

MUST CLOSELY MONITOR JOB CHANGE

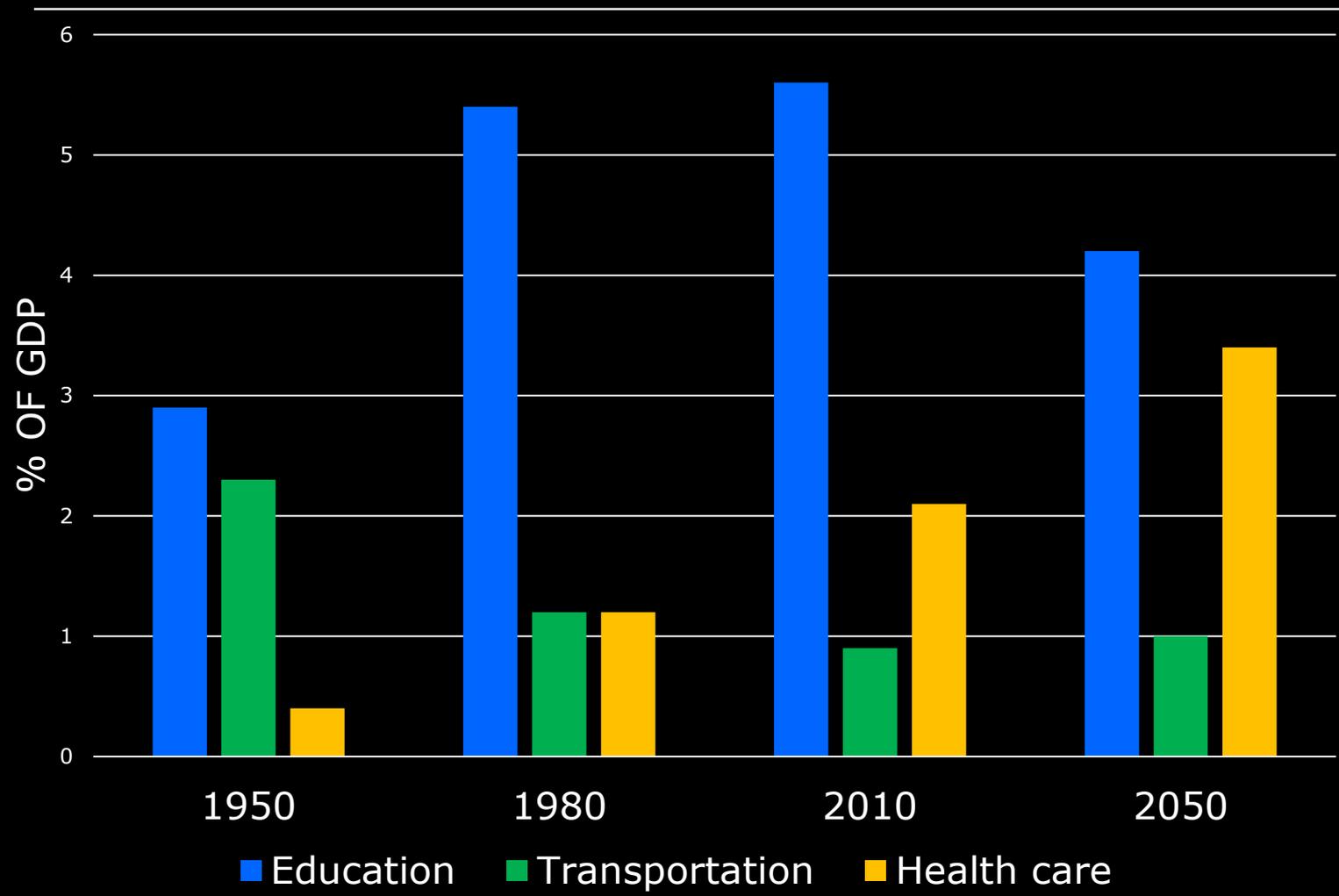


AND EDUCATIONAL
INSTITUTIONS WILL
NEED TO RAPIDLY
REDEPLOY RESOURCES

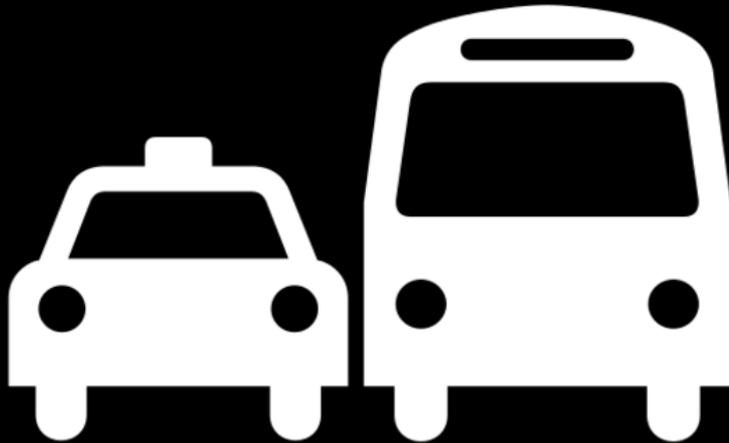
CURRENT AND FUTURE NC POWER SOURCES

Power Source	2014	2050
Coal	19.6%	15.7%
Nuclear	16.8%	12.6%
Oil	31.3%	34.6%
Natural Gas	18.0%	24.3%
Hydro	1.8%	1.5%
Renewable	6.1%	11.3%

WILL RISING HEALTH CARE SPENDING SQUEEZE SPENDING ON OTHER FUNCTIONS?



HOW WILL TRANSPORTATION BE FUNDED?



EXPANDED TAXATION
ON NEW FUELS?

GENERAL TAX
REVENUES?

PRIVATE FUNDING?



NEHRU ONCE SAID:

“LIFE IS LIKE A GAME OF CARDS.
THE HAND YOU ARE DEALT IS
DETERMINISM; THE WAY YOU PLAY
THE HAND IS FREE WILL.”